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1 A service architecture for mobile teamwork
Engin Kirda, Pascal Fenkam, Gerald Reif, Harald Gall
July 2002   **SEKE '02:** Proceedings of the 14th international conference or
             engineering
Publisher: ACM
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> Mobile teamwork has become an emerging requirement in the daily bus
> collaborate across locations and need support while they are on the mov
> expertise need to be shared independent ...
>
> **Keywords**: XML, architectures, collaborative systems, components, dis
> mobile teamwork

2 Composing simulations from XML-specified model components
Mathias Röhl, Adelinde M. Uhrmacher
December 2006 **WSC '06:** Proceedings of the 38th conference on Winter sir
Publisher: Winter Simulation Conference
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> This paper is about the flexible composition of efficient simulation mode
> component framework that can be added as an additional layer on top c
> platform independent specifications ...

3 Composing simulation models using interface definitions based on w
Mathias Röhl, Stefan Morgenstern
December 2007 **WSC '07:** Proceedings of the 39th conference on Winter sir
             come
Publisher: IEEE Press
Full text available: 🔲 Pdf (185.47 KB)   Additional Information: full citation, abstra

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> Using models in different contexts poses major integration challenges, r
> levels. Independently of each other developed model components cannc
> description details, even if based on the ...

4

A framework for collaborative control of applications

James R. Miller, Serhan Yengulalp, Patrick L. Sterner

March 2005   **SAC '05:** Proceedings of the 2005 ACM symposium on Appliec

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Highly interactive applications are increasingly being used in decision su
applications are increasingly being used in decision support systems. Fr
collaborative environments in which ...

Keywords: collaborative techniques, remote application control

5   Checkpoint and Restart for Distributed Components in XCAT3

Sriram Krishnan, Dennis Gannon

November 2004 **GRID '04:** Proceedings of the 5th IEEE/ACM International '

Publisher: IEEE Computer Society

Full text available: Pdf (160.71 KB)   Additional Information: full citation, abstra

Bibliometrics: Downloads (6 Weeks): 3,   Downloads (12 Months): 21,   Downloa

With the advent of Grid computing, more and more high-end computati
to a scientist. While this opens up new avenues for scientific research, i
such a system a non-trivial ...

Keywords: Grids, Components, Web Services, Distributed Checkpointir

6   Cultural applications for mobile devices: Issues and requirements for platforms

Daphne Economou, Damianos Gavalas, Michael Kenteris, George E. Tsekou

July 2008   **SIGMOBILE Mobile Computing and Communications Rev**

Publisher: ACM

Full text available: Pdf (1.10 MB)   Additional Information: full citation, abstra

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This paper explores requirements that authoring tools and development
development of cultural applications tailored for deployment on Persona
phones. To effectively determine such ...

7   Universal access architecture for digital libraries

Francisco Alvarez-Cavazos, Roberto Garcia-Sanchez, David Garza-Salazar,
Martha Sordia

October 2005 **CASCON '05:** Proceedings of the 2005 conference of the Cen
Collaborative research

Publisher: IBM Press

Full text available: Pdf (399.35 KB)   Additional Information: full citation, abstra

Bibliometrics: Downloads (6 Weeks): 13,   Downloads (12 Months): 100,   Downl

In this paper we present a universal access architecture for digital librar

traditional fixed clients and mobile clients addressing the connection ad
challenges presented by mobile devices. ...

8 Architectural components for the efficient design of mobile agent sys
Marthie Schoeman, Elsabé Cloete
September 2003 **SAICSIT '03:** Proceedings of the 2003 annual research co
of computer scientists and information technologists on En
Publisher: South African Institute for Computer Scientists and Information Techno
Full text available: Pdf (136.00 KB)   Additional Information: full citation, abstra

Bibliometrics: Downloads (6 Weeks): 18, Downloads (12 Months): 191, Downl

Over the past eighteen months, there has been a renewed interest in m
continued exponential growth of Internet applications, the establishmen
applications, as well as the semantic web developments. ...

Keywords: design, mobile agent systems, software architecture model

9 iMobile EE: an enterprise mobile service platform
Yih-Farn Chen, Huale Huang, Rittwik Jana, Trevor Jim, Matti Hiltunen, Sam
Muthumanickam, Bin Wei
July 2003   **Wireless Networks** , Volume 9 Issue 4
Publisher: Kluwer Academic Publishers
Full text available: Pdf (2.90 MB)   Additional Information: full citation, abstra

Bibliometrics: Downloads (6 Weeks): 11, Downloads (12 Months): 137, Downl

iMobile[1] is an enterprise mobile service platform that allows resource-lin
with each other and to securely access corporate contents and services.
consists of devlets that ...

Keywords: content transcoding, middleware, mobile devices, mobile e

10 Creating a mobile web application platform: the lively kernel experier
Tommi Mikkonen, Antero Taivalsaari
March 2009 **SAC '09:** Proceedings of the 2009 ACM symposium on Applied
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Bibliometrics: Downloads (6 Weeks): 19, Downloads (12 Months): 60, Downlo

The software industry is currently in the middle of two transitions -- tow
web-enabled mobile devices. In this paper, we summarize our experien
- an interactive web programming ...

Keywords: mobile devices, rich internet applications, web programmin

11 Code generation techniques for developing light-weight XML Web se
Robert van Engelen
March 2004 **SAC '04:** Proceedings of the 2004 ACM symposium on Applied
Publisher: ACM Request Permissions

Full text available: Pdf (404.19 KB)   Additional Information: full citation, abstra

Bibliometrics: Downloads (6 Weeks): 13, Downloads (12 Months): 91, Downlo

This paper presents specialized code generation techniques and runtime
weight XML Web services for embedded devices. The optimizations are i
development environment for C and C++. ...

Keywords: Web Services, XML, embedded systems, networking

12 An open and dynamical service oriented architecture for supporting t
Elena Sanchez-Nielsen, Sandra Martin-Ruiz, Jorge Rodriguez-Pedrianes
July 2006   **ICWE '06:** Proceedings of the 6th international conference on
Publisher: ACM
Full text available: Pdf (425.17 KB)   Additional Information: full citation, abstra

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Mobile services (m-services) play an important role in daily life and wor
oriented architectures (SOA) are widely used to offer Web Services on v
research has been done in m-services ...

Keywords: dynamical m-services invocation, m-services architecture, i
service oriented architecture

13 System architecture and interactivity model for mobile TV application
M. Mohsin Saleemi, Jerker Björkqvist, Johan Lilius
September 2008 **DIMEA '08:** Proceedings of the 3rd international conferenc
              Entertainment and Arts
Publisher: ACM
Full text available: Pdf (567.60 KB)   Additional Information: full citation, abstra

Bibliometrics: Downloads (6 Weeks): 15, Downloads (12 Months): 213, Downl

Interactive services and applications for Mobile TV are considered to be
new opportunities for mass media, mobile and broadcast industry. This
interactivity, interactive applications ...

Keywords: design requirements, interactive applications, interactivity i

14 Two executable mobility design patterns: mfold and mmap
Zara Field, Rick Dewar, Phil Trinder, Andre Rauber Du Bois
October 2006 **PLoP '06:** Proceedings of the 2006 conference on Pattern lan
Publisher: ACM
Full text available: Pdf (428.21 KB)   Additional Information: full citation, abstra

Bibliometrics: Downloads (6 Weeks): 3, Downloads (12 Months): 31, Downloa

We present two mobility design patterns, mfold and mmap. The pattern
coordination specifications, *mobility skeletons*, implemented on top of a
language, Voyager. The mobility skeletons ...

Keywords: agents, code mobility, design patterns

15 Automatic semantic platform-dependent redesign

Giulio Mori, Fabio Paterno

October 2005 **sOc-EUSAI '05:** Proceedings of the 2005 joint conference on
                    intelligence: innovative context-aware services: usages and t

Publisher: ACM

Full text available: 🔲 Pdf (274.36 KB)   Additional Information: full citation, abstra

Bibliometrics: Downloads (6 Weeks): 4, Downloads (12 Months): 15, Downloa

Nowadays, many devices provide access to Web pages: desktops, mobi
user interfaces need to be redesigned for mobile devices in order to sup
adapting the interface to different platforms ...

16 Mobile-process-based ubiquitous computing platform: a blueprint

Holger Schmidt, Rüdiger Kapitza, Franz J. Hauck

March 2007 **MAI '07:** Proceedings of the 1st workshop on Middleware-app
                    Euro-Sys 2007

Publisher: ACM

Full text available: 🔲 Pdf (267.58 KB)   Additional Information: full citation, abstra

Bibliometrics: Downloads (6 Weeks): 10, Downloads (12 Months): 72, Downlo

Mobile objects and agents are used for implementing distributed applica
of local resources, volatile network connectivity and more efficient comr
especially in dynamic ubiquitous ...

Keywords: middleware, mobile processes, mobility, ubiquitous comput

17 A mobile application framework for the geospatial web

Rainer Simon, Peter Fröhlich

May 2007   **WWW '07:** Proceedings of the 16th international conference o

Publisher: ACM

Full text available: 🔲 Pdf (4.31 MB)   Additional Information: full citation, abstra

Bibliometrics: Downloads (6 Weeks): 31, Downloads (12 Months): 235, Downl

In this paper we present an application framework that leverages geosp
enabling innovative modes of interaction and novel types of user interfa
PDAs. We discuss the current development ...

Keywords: geographical information services, geospatial web, location

18 The Mars project: PDF in XML

Matthew R. B. Hardy

August 2007 **DocEng '07:** Proceedings of the 2007 ACM symposium on Do

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The Portable Document Format (PDF) is a page-oriented, graphically ric
semantics. It is the file format underlying the Adobe® Acrobat® viewer
industry for final form ...

Keywords: Mars, PDF, SVG, XML, package, zip

19 Automatically adapting web sites for mobile access through logical d
interaction resources
Fabio Paterno, Carmen Santoro, Antonio Scorcia
May 2008   **AVI '08:** Proceedings of the working conference on Advanced
Publisher: ACM
Full text available: Pdf (1.31 MB)   Additional Information: full citation, abstra

Bibliometrics: Downloads (6 Weeks): 9, Downloads (12 Months): 163, Downlo

While several solutions for desktop user interface adaptation for mobile
still a lack of solutions able to automatically generate mobile versions ta
this paper, we propose a general ...

Keywords: mobile interfaces, model-based design, multi-device web in

20 Clearwater: extensible, flexible, modular code generation
Galen S. Swint, Calton Pu, Gueyoung Jung, Wenchang Yan, Younggyun Koh
Koichi Moriyama
November 2005 **ASE '05:** Proceedings of the 20th IEEE/ACM international C
engineering
Publisher: ACM Request Permissions
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Bibliometrics: Downloads (6 Weeks): 10, Downloads (12 Months): 43, Downlo

Distributed applications typically interact with a number of heterogeneo
evolve independently. Methodical development of such applications can
domain-specific languages (DSLs). However, ...

Keywords: AXpect, DSL, ISG, clearwater, code generation, infopipes

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